

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Staats et al. Art Unit: 3737
Serial No. : 09/851,462 Examiner: Eleni Mantis Mercader
Filed : May 8, 2001
For : REMOTELY POWERED MR INJECTOR

Mail Stop Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Via EFS-WEB

RESPONSE TO NOTICE OF NON-COMPLIANT APPEAL BRIEF

This paper and the attached Appeal Brief replacement pages 9 and 10 are being filed in response to the Notice of Non-Compliant Appeal Brief mailed December 10, 2007. If any other charges or credits are necessary to complete this communication, please apply them to Deposit Account 23-3000.

Respectfully submitted,

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December 21, 2007

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Date

Grounds of Rejection to be Reviewed on Appeal

Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Critchlow et al. '555 in view of Kormos et al. '285, Ziarati '544 (US Patent No. 5,432,544), and Eichelberger et al. (US Pub. 2004/0197058).

Argument under 35 U.S.C. 103(a)

Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Critchlow et al. '555 in view of Kormos et al. '285, Ziarati '544 (US Patent No. 5,432,544), and Eichelberger et al. (US Pub. 2004/0197058). Critchlow is cited for showing a power injector for use in MR imaging, Kormos is cited for the use of a remote power supply and shielded wire, Ziarati is cited for the use of cables passing through RF filters at a penetration panel, and Eichelberger is cited for showing the bundling of cables.

Applicant respectfully submits that these references, separately or combined, fail to anticipate the claimed invention or render that invention obvious. In particular, none of the references teach or suggest the filtering a power connection leading outside of a shielded room to prevent the introduction of noise from outside the room via the power connection. The present claims are directed to an injector system or a method of installing or connecting an injector system, in which a "power connection" or "shielded cables" couple power from a "power supply outside [a] shielded room" to the inside of the shielded room, and a "radio frequency filter" is included in the power connection to "reduce radio frequency electrical energy" carried into the room by the power connection.

None of the references cited by the Examiner shows or suggests an injector system or method of retrofitting one, using a radio frequency filter on a power connection carrying power from the outside to the injector inside of a shielded room.

Critchlow is a third-generation power injector for use in MR rooms, and thus presents a refined design for such an injector. The Critchlow injector, and the two prior generation devices it references, use a battery pack (135 in Critchlow's drawings) to power the injector.